

East USPAT, USPB

| L Number | Hits | Search Text | DB | Time stamp |
|----------|---------|--|--------------------|------------------|
| 1 | 3625 | hollow with cathode | USPAT; US-PGPUB | 2003/09/25 16:50 |
| 2 | 127236 | plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion) | USPAT; US-PGPUB | 2003/09/25 16:51 |
| 3 | 737 | (hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) | USPAT; US-PGPUB | 2003/09/25 16:51 |
| 4 | 2003221 | etch\$ or patern\$ or remov\$ | USPAT; US-PGPUB | 2003/09/25 16:52 |
| 5 | 82656 | sheath\$ | USPAT; US-PGPUB | 2003/09/25 16:52 |
| 6 | 22 | ((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion))) same sheath\$ | USPAT; US-PGPUB | 2003/09/25 16:52 |
| 7 | 3 | (etch\$ or patern\$ or remov\$) same (((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion))) same sheath\$) | USPAT; US-PGPUB | 2003/09/25 16:52 |
| 8 | 112 | (hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) same (etch\$ or patern\$ or remov\$) | USPAT; US-PGPUB | 2003/09/25 16:52 |
| 9 | 4 | (((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion))) same sheath\$) and ((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) same (etch\$ or patern\$ or remov\$)) | USPAT; US-PGPUB | 2003/09/25 16:55 |
| 10 | 18 | (((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion))) same sheath\$) not (((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion))) same sheath\$) and ((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) same (etch\$ or patern\$ or remov\$)) | USPAT; US-PGPUB | 2003/09/25 16:58 |
| 11 | 112 | (hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) same (etch\$ or patern\$ or remov\$) | USPAT; US-PGPUB | 2003/09/25 16:59 |
| 12 | 409 | (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) with sheath\$ | USPAT; US-PGPUB | 2003/09/25 16:59 |
| 13 | 6 | ((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) same (etch\$ or patern\$ or remov\$)) and ((plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) with sheath\$) | USPAT; US-PGPUB | 2003/09/25 16:59 |
| 14 | 5 | (((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) same (etch\$ or patern\$ or remov\$)) and ((plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) with sheath\$)) not (((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion))) same sheath\$) and ((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) same (etch\$ or patern\$ or remov\$)) | USPAT; US-PGPUB | 2003/09/25 17:01 |

| | | | | |
|----|-----|--|--------------------|------------------|
| 15 | 103 | ((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) same (etch\$ or patern\$ or remov\$)) not (((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) same (etch\$ or patern\$ or remov\$)) and ((plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) with sheath\$)) or (((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion))) same sheath\$) and ((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) same (etch\$ or patern\$ or remov\$)))) | USPAT; US-PGPUB | 2003/09/25 17:11 |
| 16 | 907 | (hollow with cathode) and (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) and (etch\$ or patern\$ or remov\$) | USPAT | 2003/09/25 17:11 |
| 17 | 144 | ((hollow with cathode) and (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) and (etch\$ or patern\$ or remov\$) and sheath\$ | USPAT | 2003/09/25 17:11 |
| 18 | 132 | (((hollow with cathode) and (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) and (etch\$ or patern\$ or remov\$)) and sheath\$) not (((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) same (etch\$ or patern\$ or remov\$)) or (((hollow with cathode) same (plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) same (etch\$ or patern\$ or remov\$)) and ((plasma? or sputter\$ or corona? or rie or merie or mrie or (glow near3 discharg\$) or (reactive near3 ion)) with sheath\$))) | USPAT | 2003/09/25 17:12 |

East SUSPT, USPB, WPID

| L Number | Hits | Search Text | DB | Time stamp |
|----------|--------|--|--------------------|------------------|
| 1 | 12589 | sheath? | USPAT; US-PGPUB | 2003/09/25 15:45 |
| 2 | 23377 | pace | USPAT; US-PGPUB | 2003/09/25 15:26 |
| 3 | 370 | sheath? and pace | USPAT; US-PGPUB | 2003/09/25 15:27 |
| 4 | 127497 | plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion) | USPAT; US-PGPUB | 2003/09/25 15:45 |
| 5 | 43 | (sheath? and pace) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion)) | USPAT; US-PGPUB | 2003/09/25 15:27 |
| 6 | 929413 | thickness\$ | USPAT; US-PGPUB | 2003/09/25 15:28 |
| 7 | 22 | ((sheath? and pace) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion))) and thickness\$ | USPAT; US-PGPUB | 2003/09/25 15:28 |
| 8 | 138 | pace same plasma | USPAT; US-PGPUB | 2003/09/25 15:28 |
| 9 | 1 | ((sheath? and pace) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion))) and (pace same plasma) | USPAT; US-PGPUB | 2003/09/25 15:29 |
| 10 | 21 | ((sheath? and pace) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion))) and thickness\$ not ((sheath? and pace) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion))) and (pace same plasma)) | USPAT; US-PGPUB | 2003/09/25 15:30 |
| 11 | 21 | ((sheath? and pace) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion))) not ((sheath? and pace) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion))) and thickness\$) | USPAT; US-PGPUB | 2003/09/25 15:31 |
| 12 | 427 | plasma with assist\$ with chemical\$ with etch\$ | USPAT; US-PGPUB | 2003/09/25 15:43 |
| 13 | 4 | sheath? and (plasma with assist\$ with chemical\$ with etch\$) | USPAT; US-PGPUB | 2003/09/25 15:33 |
| 14 | 11 | zarowin and sheath? | USPAT; US-PGPUB | 2003/09/25 15:33 |
| 15 | 10 | (zarowin and sheath?) not (sheath? and (plasma with assist\$ with chemical\$ with etch\$)) | USPAT; US-PGPUB | 2003/09/25 15:35 |
| 16 | 1374 | plasma same local\$ same etch\$ | USPAT; US-PGPUB | 2003/09/25 15:35 |
| 17 | 13 | sheath? and (plasma same local\$ same etch\$) | USPAT; US-PGPUB | 2003/09/25 15:36 |
| 18 | 5 | (sheath? and (plasma same local\$ same etch\$)) not ((sheath? and (plasma with assist\$ with chemical\$ with etch\$)) or ((sheath? and pace) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion))) and thickness\$) or ((sheath? and pace) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion))) or (zarowin and sheath?)) | USPAT; US-PGPUB | 2003/09/25 15:38 |
| 19 | 8 | (sheath? and (plasma same local\$ same etch\$)) not ((sheath? and (plasma same local\$ same etch\$)) not ((sheath? and (plasma with assist\$ with chemical\$ with etch\$)) or ((sheath? and pace) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion))) and thickness\$) or ((sheath? and pace) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion))) or (zarowin and sheath?))) | USPAT; US-PGPUB | 2003/09/25 15:41 |

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|----|-------|---|--------------------|------------------|
| 20 | 15 | sheath? same (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion)) same thickness\$ | USPAT; US-PGPUB | 2003/09/25 15:42 |
| 21 | 0 | ((zarowin and sheath?) not (sheath? and (plasma with assist\$ with chemical\$ with etch\$))) not ((sheath? and (plasma same local\$ same etch\$)) or (((sheath? and pace) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion))) and thickness\$) or ((sheath? and pace) and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion))) or (zarowin and sheath?) or (sheath? and (plasma with assist\$ with chemical\$ with etch\$))) | USPAT; US-PGPUB | 2003/09/25 15:42 |
| 22 | 1487 | (sheath?).clm. | USPAT; US-PGPUB | 2003/09/25 15:42 |
| 23 | 18845 | (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion)).clm. | USPAT; US-PGPUB | 2003/09/25 15:44 |
| 24 | 5 | ((sheath?).clm.) and ((plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion)).clm.) | USPAT; US-PGPUB | 2003/09/25 15:45 |
| 25 | 3582 | sheath? | DERWENT | 2003/09/25 15:45 |
| 26 | 41900 | plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion) | DERWENT | 2003/09/25 15:45 |
| 27 | 3 | sheath? and (plasma? or sputter\$ or corona? or rie or mrie or merie or (glow near3 discharg\$) or (reactiv\$ near3 ion)) | DERWENT | 2003/09/25 15:46 |

[STN: Caplus, Japio]

(FILE 'HOME' ENTERED AT 12:30:00 ON 25 SEP 2003)

FILE 'CAPLUS' ENTERED AT 12:30:07 ON 25 SEP 2003

L1 26962 S SHEATH#
L2 883931 S PLASMA? OR SPUTTER? OR CORONA# OR RIE OR MRIE OR MERIE
OR GLO
L3 1219129 S ETCH? OR PATTERN? OR REMOV?
L4 634032 S THICK?
L5 2603 S PACE
L6 0 S L1 AND L5 AND L2
L7 844 S L1(5A)L4
L8 34 S L7 AND L2 AND L3
L9 410 S L1 AND L2 AND L3
L10 376 S L9 NOT (L8 OR L6)
L11 2146 S L2(10A)L1
L12 69 S L11 AND (CVD OR CLEAN?)
L13 56 S L12 NOT (L10 OR L8)

FILE 'JAPIO' ENTERED AT 12:35:27 ON 25 SEP 2003

L14 91 S L10
L15 14 S L13
L16 56 S L11 AND (L14 OR L15)

STN 8 Caplus, Japio, Inspec, USPAT2
(FILE 'HOME' ENTERED AT 09:35:32 ON 25 SEP 2003)

FILE 'CAPLUS' ENTERED AT 09:36:00 ON 25 SEP 2003

L1 877760 S PLASMA? OR SPUTTER? OR CORONA OR RIE OR MRIE OR MERIE OR
GLOW
L2 30922 S SHEATH?
L3 2618 S PACE OR (PLASMA?(5A)ASSIST?(5A)CHEMICAL(5A)ETCH?)
L4 0 S L1 AND L2 AND L3
L5 4069 S L1 AND L2
L6 935 S L2(5A)THICK?
L7 284 S L1 AND L6
L8 1219129 S ETCH? OR PATTERN? OR REMOV?
L9 34 S L7 AND L8
L10 34 S L4 OR L9

FILE 'JAPIO' ENTERED AT 09:38:25 ON 25 SEP 2003

L11 6 S L10

FILE 'USPAT2' ENTERED AT 09:38:49 ON 25 SEP 2003

L12 0 S L1(P)L2(P)L3
L13 9 S L1(P)L2(P)L6
L14 3 S L13(P)L8
L15 9 S L13 OR L14

FILE 'INSPEC' ENTERED AT 09:39:50 ON 25 SEP 2003

L16 40 S L10